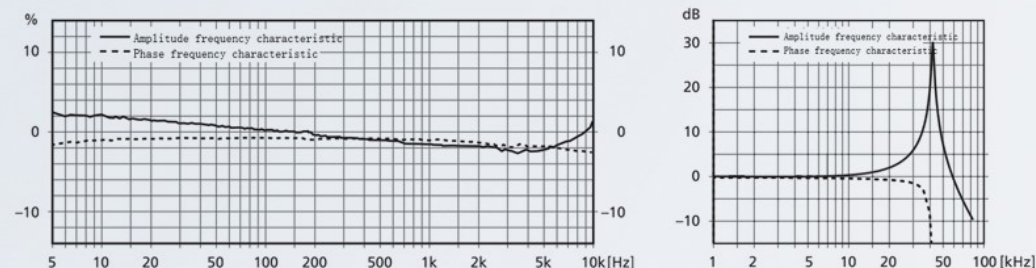


Piezoelectric Voltage output type (IEPE) accelerometer

Industrial mono-axial accelerometer Model: G112E.3 Version: G112E.3v221EN

PERFORMANCE	ENGLISH	SI
sensitivity ($\pm 10\%$)	300mV/g	30.6mV/(m/s ²)
measuring range	± 16.7 g pk	± 163.7 m/s ² pk
frequency range($\pm 5\%$) 【2】	1~4kHz	1~4kHz
frequency range($\pm 10\%$) 【2】	0.5~5kHz	0.5~5kHz
resonance frequency 【1】	>16K	>16K
non-linearity 【3】	$\leq 1\%$	$\leq 1\%$
tansverse sensitivity	$\leq 5\%$	$\leq 5\%$
resolution ratio	0.00004g rms	0.0004 m/s ² rms
Environmental character		
overload limit	± 350 g pk	$\pm 3,430$ m/s ² pk
temperature range	-40~+248° F	-40~+120°C
Electrical character		
excitation voltage 【4】	+18~+30 VDC	+18~+30 VDC
excitation current 【5】	2~20 mA	2~20 mA
bias voltage 【1】	9-11V	9-11V
electrical isolation	Isolation	Isolation
output polarity 【1】	positive	positive
physical character		
sensing element	ceramic	ceramic
Geometry	shear	shear
housing material	Stainless steel	Stainless steel
sealing mode	laser welding	laser wleding
dimension	1.06×1.85 in	27×47mm
weight 【1】	3.17oz	90g
electrical connector	2pin MIL-C5015	2pin MIL-C5015
electrical connection location	top	top
mounting	10-32 screw hole	10-32 screw hole

TYPICAL FREQUENCY RESPONSE:



NOTE:

- 【1】 Inherent characteristics
- 【2】 The low frequency response is determined by the external signal conditioner
- 【3】 least square method
- 【4】 two-wire constant current incentive source power supply, recommended 24V.
- 【5】 excitation current recommended 4mA.

DRAWING:

